

ABSTRACT OF THE DISCLOSURE

A method of forming an array substrate for use in a liquid crystal display device includes forming a gate line, a gate pad, and a gate electrode, forming a first gate insulating layer to cover the gate line, the gate pad, and the gate electrode, forming an active layer and an ohmic contact layer on the first gate insulating layer, forming a data line, a data pad, a source electrode, and a drain electrode, forming a second insulating layer to cover the thin film transistor, forming a black matrix on the second insulating layer to cover the thin film transistor, the gate line, and the data line except a first portion of the drain electrode, forming a third insulating layer to cover the black matrix, patterning the first, second, and third insulating layers, forming a first transparent electrode layer to cover the patterned third insulating layer, coating an adhesive color film on the first transparent electrode layer, irradiating a laser to portions of the adhesive color film corresponding to the pixel region, removing the adhesive color film to form a color film, repeating coating the adhesive color film, irradiating the laser and removing the adhesive color film to form the color film within all of the pixel regions, forming a second transparent electrode to cover the color filter and the first transparent electrode layer, and patterning the first and second transparent electrode layers to form first and second pixel electrodes, a double-layered gate pad terminal, and a double-layered data pad terminal.